

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A light therapy apparatus for delivering light to eyes of a subject to treat disorders that are responsive to ocular light therapy, the light therapy apparatus comprising:

a portable power supply;

an inverter coupled to the power supply;

a light output device including a plurality of light sources arranged across a light emission area, ~~of the light output device,~~ is powered through the inverter by the portable power supply, ~~that to~~ emit light in the same general direction, ~~and that to~~ illuminate an ~~ocular area~~ the eyes of a ~~the~~ subject ~~at an intensity of less than 2,500 lux;~~ and

a portable housing having a maximum peripheral dimension of ten inches, ~~for~~ carrying the inverter, portable power supply, and the light output device, ~~and configured to be placed upon a generally horizontal surface in an upright position.~~

2. (Currently amended) The light therapy apparatus of claim 1, wherein the light output device comprises a plurality of cold cathode fluorescent lamp (CCFL) tubes powered by the portable power supply.

3. (Currently amended) The light therapy apparatus of claim 2, wherein the portable power supply is a portable battery unit.

4. (Currently amended) The light therapy apparatus of claim 2, wherein the plurality of CCFL tubes are positioned parallel to each other and spaced apart from each other to direct therapeutic light to the eyes of the subject.

5. (Currently amended) The light therapy apparatus of claim 4, further comprising a plurality of reflectors, each reflector ~~being is~~ positioned behind ~~a~~ each CCFL tube to enhance the direction of light to the eyes of the subject.

6. (Currently amended) The light therapy apparatus of claim 5, wherein each reflector is a parabolic reflector; ~~and one of the CCFL tubes being tube is~~ disposed at the focal point of each parabolic reflector.

7. (Currently amended) The light therapy apparatus of claim 1, wherein the light output device comprises a plurality of light emitting diode (LED) devices powered by the portable power supply.

8. (Currently amended) The light therapy apparatus of claim 7, wherein the portable power supply is a portable battery unit.

9. (Original) The light therapy apparatus of claim 8, wherein the plurality of LED devices are arranged in a matrix to direct therapeutic light to the subject.

10. (Original) The light therapy apparatus of claim 9, further comprising a lens between the LED devices and the subject to diffuse the therapeutic light.

11. (Currently amended) The light therapy apparatus of claim 1, wherein the portable power supply is a portable battery unit that is external to the light output device.

12. (Currently amended) The light therapy apparatus of claim 1, wherein the portable power supply is a portable battery unit that is integral with the light output device.

13. (Currently amended) The light therapy apparatus of claim 1, ~~further comprising an~~ wherein the inverter is coupled to the ~~power supply and the~~ light output device.

14. (Original) The light therapy apparatus of claim 13, further comprising a processor for controlling the inverter and communicating with the inverter.

15. (Original) The light therapy device of claim 14, further comprising a display coupled to the processor for displaying data and messages from the processor.

16. (Original) The light therapy device of claim 14, further comprising a data input device coupled to the processor to provide data to the processor.

17. (Original) The light therapy device of claim 13, further comprising a dimmer and ramp device coupled to the inverter and light source to modulate the amount of power from the inverter to the light source.

18. (Currently amended) The light therapy device of claim 1, further comprising a manual timer device connected to the portable power supply for manually operating the light therapy device for a selected period of time.

19. (Original) The light therapy device of claim 1, wherein the light delivered to the eyes of the subject covers substantially the full visible spectrum of light.

20. (Original) The light therapy device of claim 1, wherein the light delivered to the eyes of the subject emphasizes a selected range of wavelengths.

21. (Currently amended) A light therapy device for delivering light to eyes of a subject to treat disorders that are responsive to ocular light therapy, the light therapy apparatus comprising:

a portable power supply;

a light source for outputting light suitable for ocular light therapy, wherein the light source includes a plurality of cold cathode fluorescent lamp (CCFL) tubes oriented substantially parallel to one another;

an inverter in communication ~~between-with~~ the portable power supply and the light source, ~~the inverter configured to control operation of and an intensity of light output by the plurality of cold cathode fluorescent lamp (CCFL) CCFL tubes;~~ and

a portable housing having a light emission aperture in an exterior for carrying the portable power supply and the light source, with the plurality of cold cathode fluorescent lamp (CCFL) CCFL tubes are visible from an exterior of the portable housing, through thea light emission aperture of the portable housing, ~~the portable housing configured to be placed upon a generally horizontal surface in an upright position.~~

22. (Currently amended) The light therapy device of claim 21, further comprising a parabolic reflector adjacent to each of the CCFL tubes to reflect the light of the tubes ~~towards and intended user~~ the eyes of the subject.

23. (Original) The light therapy device of claim 22, wherein the parabolic reflector comprises a plurality of parabolic units, each CCFL tube being disposed substantially at the focal point of one of the parabolic units.

24. (Canceled)

25. (Previously presented) The light therapy device of claim 21, further comprising:
a processor for controlling the inverter and communicating with the inverter.

26-55 (Canceled)

56. (Previously presented) The light therapy apparatus of claim 1, wherein the plurality of light sources is configured to output light of about 1,000 lux to about 2,000 lux at a distance of about 6 inches to about 12 inches from the plurality of light sources.

57. (Previously presented) The light therapy apparatus of claim 1, wherein the light output device comprises: a lens through which the plurality of light sources is configured to emit the therapeutic ocular light.

58. (Previously presented) The light therapy apparatus of claim 1, further comprising a data processor for controlling output of the light output device.

59. (Currently amended) The light therapy apparatus of claim 58, wherein the data processor is configured to calculate a period of time that the therapeutic ocular light is to be delivered to the eyes of the subject.

60. (Currently amended) The light therapy apparatus of claim 58, wherein the data processor is configured to calculate a time of day or night that the therapeutic ocular light is to be delivered to the eyes of the subject.

61. (Currently amended) The light therapy apparatus of claim 58, further comprising a display unit in communication with the data processor, the display unit being configured to display information to the subject regarding the amount or the timing of therapeutic ocular light to be delivered to the eyes of the subject.

62. (Currently amended) The light therapy apparatus of claim 58, wherein the data processor is programmed to control the amount or timing of therapeutic ocular light to be delivered to the eyes of the subject.

63. (Currently amended) The light therapy apparatus of claim 62, wherein the data processor is programmed to cause ~~an~~the inverter to reduce or increase the therapeutic ocular light to simulate gradually decreasing light at dusk or gradually increasing light at dawn, respectively.

64. (Currently amended) The light therapy apparatus of claim 58, further comprising a data input device for providing data input to the data processor.

65. (Currently amended) The light therapy apparatus of claim 64, wherein the ~~data-input device comprises at least one button configured to communicate data~~ regarding the subject ~~to the data processor, with and~~ the data processor is programmed to control at least one of an amount and a timing of the therapeutic ocular light that is to be delivered by the light output device to the eyes of the subject based on the data regarding the subject.

66. (Currently amended) The light therapy apparatus of claim 64, wherein the ~~data-input device comprises at least one button is configured to communicate data~~ regarding travel already taken or to be taken by the subject ~~to the data processor, with and~~ the data processor is programmed to control at least one of an amount and a timing of the therapeutic ocular light to be delivered by the light output device to the eyes of the subject based on the data regarding travel already taken or to be taken.

67. (Currently amended) The light therapy apparatus of claim 64, wherein the data processor is programmed to process the data-input for controlling at least one of an amount and a timing of therapeutic ocular light to be delivered to the eyes of the subject.

68. (Canceled)

69. (Currently amended) The light therapy apparatus of claim 67, wherein the ~~data-input device enables comprises software for to be downloaded to the data processor from an external source.~~

70. (Previously presented) The light therapy apparatus of claim 1, wherein the portable housing including a transition member configured to transition from a closed position to an open position, the transition member providing a cover for the plurality of light sources when the transition member is in the closed position and a base for supporting the light output device in an upright position when the transition member is in the open position.

71. (Previously presented) The light therapy apparatus of claim 70, wherein the transition member, in the open position, forms the base so as to be configured to rest flat on a surface.

72. (Previously presented) The light therapy apparatus of claim 70, wherein the transition member is pivotally associated with the housing so as to rotate about the housing between the open position and the closed position.

73. (Currently amended) A light therapy device for delivering to a subject ocular light to eyes of a subject to treat disorders that are responsive to ocular light therapy, the light therapy device comprising:

a portable, self-contained power supply;

a light source including a plurality of light emitting diodes arranged across a light emission area and configured to emit therapeutic ocular light from the light emission area;

an inverter coupled to the power supply for providing power from the portable power supply to the light source; and

a portable housing carrying the portable, self-contained power supply and the light output device, including a light emission window through which the plurality of light emitting diodes of the light emission area of the light source is visible from an exterior of the portable housing, ~~and configured to be placed upon a generally horizontal surface in an upright position;~~ the portable housing, the light source, and the portable power supply having a maximum weight of about four pounds.

74. (Previously presented) The light therapy device of claim 73, wherein the portable, self-contained power supply is a portable battery unit.

75. (Currently amended) The light therapy device of claim 73, wherein the plurality of light emitting diodes is arranged in a matrix to direct therapeutic light to the eyes of the subject.

76. (Previously presented) The light therapy device of claim 73, further comprising a data processor for controlling output of the light source.

77. (Previously presented) The light therapy device of claim 76, further comprising a display unit in communication with the data processor and configured to display data to the subject regarding the amount or timing of therapeutic ocular light to be delivered to the subject.

78. (Currently amended) The light therapy device of claim 76, wherein the data processor controls at least one of an amount and a timing of therapeutic ocular light to be delivered by the light source to the eyes of the subject.

79. (Currently amended) The light therapy device of claim 78, wherein the data processor is programmed to cause ~~an~~the inverter to reduce or increase the therapeutic ocular light output by the light source in a way that simulates gradually decreasing light at dusk or gradually increasing light at dawn.

80. (Currently amended) The light therapy device of claim 76, further comprising a data input device coupled to the data processor to provide ~~data~~ input to the data processor.

81. (Currently amended) The light therapy device of claim ~~76~~80, ~~further comprising a data input device,~~ wherein the data processor receives ~~data~~ input from the data input device and ~~calculates for calculating~~ at least one of an amount and a timing of therapeutic ocular light to be delivered by the light source to the eyes of the subject ~~based on the data~~.

82. (Currently amended) The light therapy device of claim ~~76~~80, ~~further comprising a data input device for downloading software to the data processor from an external source, the data input device associated with the data processor, the~~ wherein the input comprises software including a program for causing the data processor to process other input ~~data~~ to

calculate at least one of an amount and a timing of therapeutic ocular light to be delivered to the eyes of the subject.

83. (Currently amended) A light therapy device for delivering ocular light to to eyes of a subject to treat disorders that are responsive to ocular light therapy, the light therapy device comprising:

a light source including a plurality of light emitting elements configured to emit light suitable for ocular light therapy;

an inverter for supplying power to the light source; and

a portable housing at least partially containing the inverter and the light source and including a front member and a rear member, a window ~~being~~-formed through the front member through which the plurality of light emitting elements are visibly discrete from an exterior of the portable housing; and

a cover pivotally connected to the portable housing and configured to transition from a closed position over the window in the front member of the portable housing to an open position behind the rear member of the portable housing, the cover being positioned over the light source when in the closed position and supporting the portable housing in an upright position when the cover is in the open position.

84. (Previously presented) The light therapy apparatus of claim 83, wherein the cover, in the open position, forms the base so as to be configured to rest flat on a surface.

85. (Previously presented) The light therapy apparatus of claim 83, wherein the cover is configured to rotate about the portable housing between the open position and the closed position.

86. (Currently amended) The light therapy apparatus of claim 83, wherein the light output by the plurality of light sources is primarily of at least one of a blue light wavelength and a green light wavelength.

87. (Currently amended) An ocular light therapy apparatus for delivering light to eyes of a subject to treat disorders that are responsive to ocular light therapy, the light therapy apparatus comprising:

a portable housing;

a power supply carried by the portable housing;

an inverter carried by the portable housing and coupled to the power supply; and

at least one light source carried by the portable housing, powered through the inverter by the power supply, visible from an exterior of the housing, and configured to emit light primarily having a blue wavelength at an intensity suitable for ocular light therapy.

88. (Previously presented) The ocular light therapy apparatus of claim 87, wherein the housing has dimensions that enable the light therapy apparatus to be held within a single hand of a user.

89. (Previously presented) The ocular light therapy apparatus of claim 87, wherein a maximum dimension of the housing is about six inches.

90. (Currently amended) An ocular light therapy apparatus, for delivering to a subject ocular light to eyes of a subject to treat disorders that are responsive to ocular light therapy, the light therapy apparatus consisting essentially of:

a portable housing;

a portable power supply carried by the portable housing;

an inverter in communication with the portable power supply; and

at least one light source carried by the portable housing and powered by the portable power supply, the inverter being configured to control an intensity of the at least one light source and to cause the at least one light source to deliver the light suitable for ocular light therapy.

91. (Previously presented) The ocular light therapy apparatus of claim 90, wherein the portable housing has dimensions that enable the ocular light therapy apparatus to be held within a single hand of a user.

92. (Previously presented) The ocular light therapy apparatus of claim 90, wherein the at least one light source comprises at least one of a cold cathode fluorescent light and a light-emitting diode.

93. (Currently amended) A light therapy device for delivering light to eyes of a subject to treat disorders that are responsive to ocular light therapy, the light therapy device including:

a housing;

a light source carried by the housing and configured to emit light suitable for ocular light therapy from the housing; and

an inverter for supplying power to the light source;

a multi-functional element secured to the housing and configured to be associated therewith in a first position in front of the housing that covers the light source and in a second position behind the housing that supports the housing and the light source in at least one position that facilitates direction of light from the light source toward at least one eye of a subject.

94. (Previously presented) The light therapy device of claim 93, wherein the multi-functional element pivots relative to the housing.

95. (Previously presented) The light therapy device of claim 94, wherein the multi-functional element is pivotally secured near an edge of the housing.

96. (Previously presented) The light therapy device of claim 95, wherein the multi-functional element pivots at least about 270 degrees from the first position to the second position.

97. (Previously presented) The light therapy device of claim 96, wherein the multi-functional element serves as a support base for the housing when in the second position.